

SYSTEM AND METHOD FOR
MULTI-LEVEL PHASE MODULATED COMMUNICATION

ABSTRACT OF THE DISCLOSURE

A method for transmitting a signal includes providing a source signal and splitting the source signal into a first and second split signal. The first split signal is modulated based on a first dataset. The second split signal is phase shifted and modulated based on a second dataset. The modulated second signal is orthogonally polarized with respect to the polarization of the modulated first signal and combined with the modulated first signal. The combined signal may also be modulated and transmitted.

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